Application Number: 96193712







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Bibliographic Data:

Title: CPR device having structure for increasing duration and magnitude of negative intra-thoracic pressure

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Applicant: CPRX Corp.

Inventor: Keith G. Lurie; Michael Sweeney

Priority Information: US1995040300919950310

[MT] The patent refers to the field of 'individual breathing masks or apparatus'. This invention to have, prevent gas from flow structural CPR device, this structural form is put in face mask (52) or that in the breathing tube (35) or end their in-line limit flow-off (50) or pressure reaction threshold (24).



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Abstract:

Title Apparatus and methods for enhancing cardiopulmonary blood flow and ventilation

Source: US2002069878A According to the invention, methods and devices for increasing cardiopulmonary circulation induced by chest compression and decompression when performing cardiopulmonary resuscitation are provided. According to one method, a pressure responsive inflow valve is coupled to a patient's airway. Chest compressions and chest decompressions are performed. During chest decompression the inflow valve prevents respiratory gases from entering the lungs until a certain negative intrathorace pressure level is exceeded at which time the one inflow valve opens. In this way, the inflow valve assists in increasing the magnitude and duration of negative intrathoracic pressure during decompression to enhance the amount of blood flow into the heart and lungs, Further, the patient is supplied with a pressurized respiratory gas through the Inflow valve when the inflow valve opens to ventilate the patient.

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International class (IPC 8-9): A01K1/01 A61B5/00 A61B5/02 A61B5/021 A61B5/08 A61B5/083 A61B5/087 A61B5/145 A61H31/00 A61H31/02 A61M16/00 A61M16/04 A61M16/06 A61M16/20 A61N1/36 A61N1/372 A62B18/02 A62B18/10 A62B7/00 A62B7/04 A62B7/10 A62B9/00 A62B9/02 C09K5/04 F25B31/00 F25B9/00 F25B9/02 G04F5/02 G09815/00 G09823/28 (Advanced/Invention); A61M16/00 A61M16/08 A61M16/20 (Advanced/Invention); A01K1/01 A61B5/00 A61B5/02 A61B5/02 A61B5/021 A61B5/088 A61B5/145 A61H31/00 A61M16/00

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A61M16/00 A61M16/08 A61M16/20 (Core/Non-invention)
International class (IPC 1-7): A01K1/015 A01K29/00 A61B5/00 A61B5/021 A6185/08 International Class (IRC 1-7): AUX.VIDI.5 AUX.VIDI.6 AU15/00 A6115/02 A6115/03 A6215/03 A6215

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Inventor(s):

K G LURIC : GENE SCHARENBROICH

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IT LU LU MAN AF UM DM GM KU, HUN MR NH WX KX KZ NA REI NIL NO ZO MP GF PHL JPT FOR UNS COS SES SESI SIS KS.